



UNITED STATES PATENT AND TRADEMARK OFFICE

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NOTICE OF ALLOWANCE AND FEE(S) DUE

020457

7590

10/07/2004

ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-9889

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| ART UNIT | PAPER NUMBER |
| 2675 | |

DATE MAILED: 10/07/2004

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/938,619 | 08/27/2001 | Tetsuya Aoyama | 500.40571X00 | 2353 |

TITLE OF INVENTION: LIQUID CRYSTAL DISPLAY APPARATUS

| APPLN, TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1370 | \$300 | \$1670 | 01/07/2005 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450

| INSTRUCTIONS: This form should be need for transmitting the ISSUE FEE and PULILCATION PEE (if required). Blocks I brough 5 should be completed when groupstack. All firster correspondence including the Petter includes and included the Petter included to the current correspondence address are ministration for the Petter included to the Current including a repair of FEE and PULIN PETTER INCLUDING TRANSMITH INCLUDING T | | | | or Fax | Alexandria, Vii (703) 746-4000 | rginia 22313-1450 | |
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| Note: A certificate of mailing can only be used for domestic mailing of all compositions of the composition of the compositio | INSTRUCTIONS: This fo appropriate. All further con indicated unless corrected maintenance fee notification | rm should be used for tran rrespondence including the below or directed otherwise ns. | smitting the ISSU Patent, advance of in Block 1, by (a | | CATION FEE (if recommended of maintenance fees orrespondence address | quired). Blocks I through 5 s will be mailed to the current ss; and/or (b) indicating a sep- | hould be completed where correspondence address as arate "FEE ADDRESS" for |
| ANTONELLI, TERRY, STOUT & KRAUS, LLP 1200 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-9889 APPLICATIONNO FILING DATE FIRST NAMED INVENTOR APPLICATIONNO FILING DATE FIRST NAMED INVENTOR APPLICATION FILING DATE FIRST NAMED INVENTOR APPLICATION FILING DATE APPLICATION FI | CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) | | | Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying pagers. Each additional pagers such as an accument or formal drawing page. | | | |
| APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKLT NO. CONFIRMATION NO. 69938.619 082772001 Tessaya Aoyama 500.40571X00 2353 TITLE OF INVENTION: LIQUID CRYSTAL DISPLAY APPARATUS APPLICATION FILE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1370 \$300 \$1670 01/07/2005 EXAMINER ART INIT CLASS-SUB-CLASS CHOW, DOON Y 2675 345-087000 1. Change of correspondence address or indication of "Fee Address" (37) Change of correspondence address or indication of "Fee Address" (37) Change of correspondence address (or Change of Correspondence address (or Change of Correspondence address for Indication for Implementation of the Address of Indication for Tee Address (17) Change of Correspondence address (or Correspondence addres | ANTONELLI, T 1300 NORTH SEV SUITE 1800 | ERRY, STOUT & K ENTEENTH STREET | RAUS, LLP Γ | | C | ertificate of Mailing or Trans | smission g deposited with the United st class mail in an envelope above, or being facsimile date indicated below. |
| APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09938,619 0827/2001 Tesuya Aoyama 500.40571X00 2353 TITLE OF INVENTION: LIQUID CRYSTAL DISPLAY APPARATUS APPLN TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1370 \$300 \$1670 01/07/2005 EXAMINER ARI UNIT CLASS-SUB CLASS CHOW, DOON Y 2675 J45-087000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.36.) CHOW, DOON Y 2675 J45-087000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.36.) CHOW, DOON Y 2675 J45-087000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.36.) CHOW, DOON Y 2675 J45-087000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.36.) CHOW, DOON Y 2675 J45-087000 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents (38 Alternatively, (2), the name of a single firm (having as a member a 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | , | | | | | | (Depositor's name) |
| APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/938,619 08/27/2001 Tetsuya Aoyama 500.46571X00 2353 TITLE OF INVENTION: LIQUID CRYSTAL DISPLAY APPARATUS APPLN. TYPE SMALL ENTITY ISSUE FEE FUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1370 \$300 \$1670 01/07/2005 EXAMINER ART UNIT CLASS-SUB CLASS CHOW, DOON Y 2675 345-087/000 I. Change of correspondence address or indication of "Fee Address" (37) CPR 1.63). CRR 1.63). CRR 1.63). CRR 1.63). 1. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents. If no name is Number is required. 2. Correspondence address or indication form Shutched Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government 4a. The following fee(s) are enclosed: Payment of Fee(s): senciosed. Payment of Fee(s): senci | | | | | , | | (Signature) |
| 09/938,619 08/27/2001 Tetsuya Aoyama 500.40571X00 2353 TITLE OF INVENTION: LIQUID CRYSTAL DISPLAY APPARATUS APPLN TYPE SMALL ENTITY ISSUE FEE FUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1370 \$300 \$1670 01/07/2005 EXAMINER ART UNIT CLASS-SUB CLASS CHOW, DOON Y 2675 Change of correspondence address or indication of "Fee Address" (37 CFR 1.503). Change of correspondence address (or Change of Correspondence address or indication form PTO/SB/12/2) attacked. Use of a Customer of agents OR, alternatively, (2) the name of a single firm (having as a member a registered attomey or agent) and the names of up to 2 registered patient attomeys or agent of a single firm (having as a member a registered attomey or agent) and the names of up to 2 registered patient attomeys or agent of patient discount of the profit of the | | | | | | | (Date) |
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| CHOW, DOON Y 2675 345-087000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.163). Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of Correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of Correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of Correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of Correspondence address or indication form provides of a single firm (having as a member a registered attorney or agent) and the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the names of up to 3 registered patent attorneys or agents OR, | nonprovisional | NO | \$1370 |) | \$300 | \$1670 | 01/07/2005 |
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| CR. 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, or agents of upon to agents OR, alternatively, or agents OR, alternatively, or agents of upon to agents OR, alternatively, or agents of upon agents of upon to or agents. If no name is a signer or the patent attorney or agents, if no name is listed attorney or agent, or the or agents of upon and agents of agents of upon and agents of the or agents | CHOW, | DOON Y | 2675 | | 345-087000 | | |
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| Please check the appropriate assignee category or categories (will not be printed on the patent): | PLEASE NOTE: Unless | an assignee is identified be | low no assignee | data will annear on t | he natent. If an accid | gnee is identified below, the d | ocument has been filed for |
| 4b. Payment of Fee(s): Sisue Fee | (A) NAME OF ASSIGN | EE | (В | RESIDENCE: (CIT | Y and STATE OR CO | DUNTRY) | |
| 4b. Payment of Fee(s): Sisue Fee | Please check the appropriate | assignee category or catego | ries (will not be pri | inted on the patent): | ☐ Individual ☐ (| Corporation or other private en | oun entity |
| Publication Fee (No small entity discount permitted) Advance Order - # of Copies | 4a. The following fee(s) are | | | . Payment of Fee(s): | | · · · · · · · · · · · · · · · · · · · | |
| Advance Order - # of Copies | | | | | | | |
| Deposit Account Number | | | | | | | |
| a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Authorized Signature | | | | Deposit Account Nu | mber | (enclose an extra c | opy of this form). |
| The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Authorized Signature | | | , | h Applicant is no | langan alaimin a CM | ALL ENTITY status Sec 27.0 | ED 1.27/ \(\alpha\) |
| Typed or printed name Registration No | | | | tion Fee (if any) or to from anyone other th Office. | re-apply any previous an the applicant; a re | sly paid issue fee to the applica gistered attorney or agent; or the | tion identified above. te assignee or other party in |
| Typed or printed name Registration No | Authorized Signature | | | | Date | | • |
| This collection of information is required by 37 CFR 1 311. The information is required to obtain or rate in a hangest by the public which is to file (and but a vicence of | | | | | Registratio | n No. | |
| The inverse of the result of t | This collection of informatio | n is required by 37 CFR 1.3 | 11. The information | n is required to obtain | or retain a benefit by | the public which is to file (and | by the USPTO to process) |

Th an and application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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UNITED STATES PATENT AND TRADEMARK OFFICE

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| ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET | | CHOW, DOON Y | | |
| SUITE 1800 | EVENTEENTH STREET | | ART UNIT | PAPER NUMBER |
| ARLINGTON, V | VA 22209-9889 | | 2675 | |
| | | | DATE MAILED: 10/07/2004 | 4 |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 348 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 348 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

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| ANTONELLI, TERRY, STOUT & KRAUS, LLP | | | CHOW, E | CHOW, DOON Y | |
| SUITE 1800 | EVENTEENTH STREET | | ART UNIT | PAPER NUMBER | |
| ARLINGTON, V | /A 22209-9889 | | 2675 | | |
| | | | DATE MAILED: 10/07/2004 | | |

Notice of Fee Increase on October 1, 2004

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2004, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" because some fees will increase effective October 1, 2004. See Revision of Patent Fees for Fiscal Year 2005; Final Rule, 69 Fed. Reg. 52604, 52606 (May 10, 2004).

The current fee schedule is accessible from WEB site (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2004 (or mailed with a certificate of mailing on or after October 1, 2004), the issue fee paid should be the fee that is required at the time the fee is paid. See Manual of Patent Examining Procedure (MPEP), Section 1306 (Eighth Edition, Rev. 2, May 2004). If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See MPEP Section 1308.01.

Effective October 1, 2004, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

Section 1.18 Patent post allowance (including issue) fees.

(a) Iggua faa fan iansius saal suisius! suusissus usaksut

| (a) Issue fee for issuing each original or reis | ssue patent, |
|---|--------------|
| except a design or plant patent: | |
| By a small entity (Sec. 1.27(a)) | \$685.00 |
| By other than a small entity | \$1,370.00 |
| (b) Issue fee for issuing a design patent: | |
| By a small entity (Sec. 1.27(a)) | \$245.00 |
| By other than a small entity | \$490.00 |
| (c) Issue fee for issuing a plant patent: | |
| By a small entity (Sec. 1.27(a)) | \$330.00 |
| By other than a small entity | |

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.